CROFAB® CROTALIDAE POLYVALENT IMMUNE FAB (OVINE)

DESCRIPTION

CroFab® (Crotalidae Polyvalent Immune Fab (Ovine)) is a sterile, nonpyrogenic, purified, hyphilized preparation of owine Fab (monovalent) immunoglobulin fragments obtained from the blood of healthy sheep flocks immunized with one of the following North American snake venoms: Crotalius atrox (Western Diamondback rattlesnake), Crotalius scutulatus (Mojave rattlesnake), and Agikstrodon pisciverus (Cottonmouth or Water Moscasin). To obtain the final antivenin product, the four different monospecific antivenines are mixed. Each monospecific antivenines prepared by fractionating the Immunoglobulin from the ovine serum, digesting it with papsin, and isolating the venom-specific Fab fragments on ion exchange and affinity chromatography columns.

CroFab is standardized by its ability to neutralize the lethol action of each of the four venom immunogens following intravenous hijection in miles. The potency of the product will vary from batch to batch; however, a minimum number of meuse LD_{50} neutralizing units against each of the four venoms is included in every vial of final product, as shown in Table 1.

Table 1. Stirdness Mouse (My Mourreling Units" for Each Visions Component

Vector	Makesum Poissory per Visit of Crafab."	
Crafaise atrex	≥ 1870	
Catalus estemanteus	2.430	
Cersia sodiska	F2259	
Agricultracion pluscivanus	<u> 2</u> .789	

[&]quot; One neutralizing unit is determined as the amount of the misses managements had possible presently to restrict one LD on a series of the tour versions, where the LDs, is the amount of tensor that would be bothed in Sittle of misse.

Each vial of CroFeb contains up to 1 g of total protein and sodium phosphate buffer consisting of dibasic sodium phosphate USP and sodium chloride USP. Thimerosal is used as a preservative in the manufacturing process, and as such, mercury is carried over linto the final product at an amount he greater than 104.5 mag per vial, which amounts to no more than 1.9 mg of mercury per dose (based on the maximum dose of 18 vials used in clinicial studies of CroFeb). The product is intended for intravenous administration after reconstitution with 10 mL of Staffle Water for injection USP.

CLINICAL PHARMACOLOGY

Mechanism of Action:

CroFab is a venom-specific Fab tragment of immunoglobulin G (ligG) that works by binding and neutralizing venom toxins, facilitating their redistribution away from target tissues and their elimination from the body.

Animal Chulling

CroFab was effective in neutralizing the venoms of 10 clinically important North American crotalid snakes in a murine lethality model (see Table 2) [1]. In addition, preliminary data from experiments in mice using whole igG from the sheep immunized for CroFab production siggest that CroFab might possess antigenic cross-reactivity against the venome of some Middle Eastern and North African snakes; however, there are no clinical data available to certifirm these findings.

Table 2. EDse Values for CroFab in Mice

Study Objective & Design	Endpoint Measured	Major Findings and Conclusions (Note: Lower numbers represent increased potency agains yenoms listed)	
To determine the cross- neutralizing ability of	ED ₅₀ for each veriom		
CroFab to protect mice		Challenge Venom	ED ₅₀ (expressed as mg antivenin/mg venom)
from the lethal effects of		C. atrox	5
venom from clinically		C. adamanteus	8
important species.		C. scutulatus	15
		A. pissivorus	3
Separate groups of mice		C. h. atricaudatus	7
were injected with		C. v. hallen	122
increasing doses of CroFab		C. m. molossus	25
pre-mixed with two LD ₅₆		A. c. contentrix	4
of each venom tested.		S. m. barbouri	7
		C. h. horridus	6
	***************************************	good cross-protect immunization of flo where a very high o	rom this study in mice, CroFab has relatively ion against venoms not used in the cks used to produce it, except for C. v. inelien, lose is required, and for C. m. molossus, in high dose is required.

As at 200s, the phienry across has been replanted on a new study of most, which has resulted in stranger to the religious means (Eug neutral date under These changes as not reflect any change its process) present, but only is different bliefeghal response or the nature total to the response.

Clinical Pharmacokinetics:

The planned pharmacokinetic study of CroFab was not adequately performed. A limited number of samples were collected from three patients. Based on these data, estimates of elimination half-life were made. The elimination half-life for total Fab ranged from approximately 12 to 23 hours. These limited pharmacokinetic estimates of half-life are augmented by data obtained with an analogous ovine Fab product produced by Protherics inc. using a similar production process. In that study, 8 healthy subjects were given 1 mg of intravenous digodin followed by an approximately equimolar neutralizing dose of 76 mg of digodin liminune Fab (civine), Total Fab was shown to have a volume of distribution of 0.3 L/kg, a systemic clearance of 32 mL/min (approximately 0.4 mL/min/kg) and an elimination half-life of approximately 15 hours.

Clinical Studies:

No clinical studies have been conducted comparing CroFab with other antivenins, therefore, no comparisons can be made between CroFab and other antivenins.

Two clinical trials using CroFab have been conducted. They were prospectively defined, open-label, multi-center trials conducted in otherwise healthy patients 11 years of age or older who had suffered from minimal or moderate (as defined in Table 3) North American crotallid envenomation that showed evidence of progression, Progression was defined as the worsening of any evaluation parameter used in the grading of an envenomation: local injury, laboratory abnormality or symptoms and signs attributable to crotalid enake venom poisoning. Both clinical trials excluded patients with Copperhead envenomation. To date, there are no clinical data supporting the efficacy of CroFab in patients presenting with severe envenomation.

Table 3. Definition of Minima, Moderate, and Severe Envenomation in Clinical Studies of CroFab

Envenomation Category	Definition
Minimal	Swelling, pain, and ecohymosis limited to the immediate bite site;
	Systemic signs and symptoms absent:
	Coagulation parameters normal with no clinical evidence of bleeding.
Moderate	Swelling, pain, and ecohymosis fivolving less than a full extremity or, if bite was sustained on the trunk, head or neck, extending less than 50 cm:
	Systemic signs and symptoms may be present but not title threatening, including but not limited to nausea, veneting, oral parasthesia or unusual tastes, mild hypotension (syctolic blood pressure <90 mmHg), mild tachycardia (heart rate <150), and tachypnea;
	Coagulation parameters may be abnormal, but no clinical evidence of bleeding present. Minor hematuris, gum bleeding and nosebleeds are allowed if they are not considered severs in the investigator's judgment.
Severe	Swelling, pain, and ecohymosis involving more than an entire extremity or threatening the airway:
	Systemic signs and symptoms are markedly abnormal, including severe alteration of mental status, severe hypotension, severe tachycardia, tachypnea, or respiratory insufficiency;
	Coagulation parameters are abnormal, with serious bleeding or severe threat of bleeding.

in both clinical studies, efficacy was determined using a Snakebite Severity Score (SSS) [2] (reterred to as the efficacy score or E5 in these clinical studies) and an investigator's clinical assessment (iCA) of efficacy. The SSS (referred to as the ES) is a tool used to measure the severity of envenomation based on six body categories; local wound (e.g., pain, swelling and ecchymosis), pulmonary, cardiovascular, gastrointestinal, hematological, and nervous system effects. A higher score indicates worse symptoms in a retrospective study using medical records of 108 snakebite victims [2], the SSS has been shown to correlate well with physicians' assessment of the patient's sondition at presentation (Pearson correlation coefficient: r=0.63, p<0.0071) and when the patient's condition was at its worst (r=0.70, p<0.0001), in this study, the condition of 87/108 patients worsened during hospitalization. Changes in the physicians' assessment of condition correlated well with changes in SSS. CroFab was required to prevent an increase in the ES in order to demonstrate efficacy.

The ICA was based on the investigator's clinical judgment as to whether the patient had a:

- Clinical response (pre-treatment signs and symptoms of envenomation were arrested or improved after treatment)
- Partial response (stors and symptoms of envenomation worsened, but at a slower rate than expected after treatment)
- · Non-response (the patient's condition was not favorably affected by the treatment).

Safety was assessed by monitoring for early altergic events, such as anaphytaxis and early serum reactions during CroFab Infusion, and late events, such as late serum reactions.

TAB001:

in the first clinical study of CroFab, 11 patients received an intravenous dose of 4 vials of CroFab over 60 minutes. An additional 4-vial dose of CroFab was administered after completion of the first CroFab influsion, if deemed necessary by the investigator, At the 1-hour assessment, 10 out of 11 patients had no change or a decrease in their ES. Ten of 11 patients were also judged to have a clinical response by the ICA. Several patients, after initial clinical response, subsequently required additional vials of CroFab to stem progressive or recurrent symptoms and signs. No patient in this first study experienced an anaphylactic or anaphylacticid response or evidence of an early or late serum reaction as a result of administration of CroFab.

TANSBY.

Based on observations from the first study, the second clinical study of CroFab compared two different dosage schedules. Patients were given an initial intravenous dose of 6 vials of CroFab with an option to re-treat with an additional 6 vials. If needed, to achieve initial control of the enventmention syndrome, initial control was defined as complete arrest of local manifestations, and return of coaquistion tests and systemic signs to normal. Once initial control was achieved, patients were randomized to receive additional CroFab either every 6 hours for 18 hours 'scheduled Groupo' or as needed GPPN Group.

In this trial, Crofeb was administered safely to 31 patients with relimination moderate crofalid enveronmation. All 31 patients enrolled in the study achieved initial control of their enveronmation with Crofeb, and 30, 25 and 26 of the 31 patients achieved a clinical response based on the ICA at 1, 6 and 12 hours respectively following initial control. Additionally, the mean 65 was significantly decreased across the patient groups by the 12-hour evaluation time point (p=0.05 for the Scheduled Group; p=0.05 for the PRN Group) (see Table 4). There was no statistically significant difference between the Scheduled Group and the PRN Group with repart to the decrease in FS.

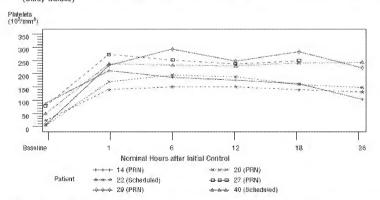
Table 4. Summary of Patient Efficacy Scores for Scheduled and PRN Groups

Time Period	Scheduled Group (n=15) Efficacy Score* Mean ± SD	PRN Group (n=18) Efficacy Score* Mean ± SD
Baseline	4.0 ± 1.3	4.7 ± 2.5
End of Initial Control Antivenin Infusion(s)	3.2 ± 1.4	3.3 ± 1.3
1 hour after Initial Control achieved	3.1 ± 1.8	3.2±0.9
6 hours after Initial Control achieved	2.6±1.5	2.6 ± 1.3
12 hours after Initial Control achieved	2.4±1.1**	2.4 ± 1.2**

- No change or a decline in the Efficacy Score was considered an indication of stinical response and a sign of efficacy.
- ** For both the Scheduled and the PRN Groups, differences in the Efficacy Score at the four post-baseline assessment times were statistically decreased from baseling by Friedman's test (p < 0.001).</p>

in published literature accounts of rattlesnake bites, it has been noted that a decrase in platelets can accompany moderately severe envenoration, which whole blood transfusions could not correct [3]. These platelet count decrases have been observed to last for many hours and often several days following the venomous bite [3, 4, 5]. In this clinical study, 6 patients had pre-dosing platelet counts below 100,000/mm³ (baseline average of 44,000/mm³). Of note, the platelet counts for all 6 patients increased to normal levels gaverage 209,000/mm³ at 1 hour following littlate control decing with Crofab ee Rigure 1).

Figure 1. Graph of Platelet Counts from Baseline to 36 Hours for Patients with Counts <100,000/mm³ at Baseline (Study TAb002)



Although there was no significant difference in the decrease in ES between the two treatment groups, the data suggest that Scheduled dusting may provide better control of envenomation symptoms caused by the continued leaking of venom from depot sites. Scheduled patients experienced a lower incidence of coagulation abnormalities at follow-up compared with PRN patients (see Table 5 and Figure 2). In addition, the need to administer additional Crofab to patients in the PRN Group after initial control suggests that there is a continued need for antivenin for adequate treatment.

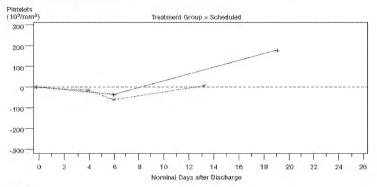
Table 5. Lower Incidence of Recurrence of Coaquiopathies at Follow-Up in Scheduled and PRN Dosing Groups

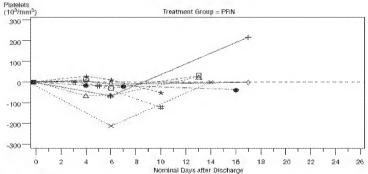
	Scheduled Group (n=14)* (persent of patients with abnormal values)*	PRN Group (n=16) (percent of patients with abnormal values)*
Piatelet	2/14 (14%)**	9/16 (55%)**
Fibrinogen	2/14 (14%)	7/16 (44%)

- Numbers are expressed as percent of patients that had a follow-up platelet count that was less than the count at hospital discharge, or a fibringgen level less than 50% of the level at hospital discharge.
- * Follow-up data not available for one patient.
- ** Statistically significant difference, p=0.04 by Fisher's Exact test.

Figure 2. Change in Platelet Counts in Individual Patients between Follow-Up Visits and Discharge

Patients in the Scheduled and PRN Groups are plotted separately. More patients in the PRN Group showed a reduction in platelet count after discharge than in the Scheduled Group. Only patients showing a reduced platelet count after discharge are shown.





INDICATIONS AND USAGE

CroFab is indicated for the management of patients with minimal or moderate North American crotatid envenomation (see Table 3 in Clinical Studies section for definitions). The term crotatid is used to describe the Crotalinae subfamily (formerly known as Crotalidae) of venomous snakes which includes rattlesnakes, copperheads and cattonmouths/water modeasins. Early use of CroFab (within 6 hours of snakebite) is advised to prevent clinical deterioration and the occurrence of systemic coaquiation abnormalities.

CONTRAINDICATIONS

CroFab should not be administered to patients with a known history of hypersensitivity to papaya or papain unless the benefits outwelgh the risks and appropriate management for anaphylactic reactions is readily available.

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WARNINGS

- Coagulopathy is a complication noted in many victims of viper envenomation that arises due to the ability of the snake venom to interfere with the blood coagulation cascade [4, 8, 9], in clinical frials with CroFab, recurrent coagulatory the return of a coagulation abnormality after it has been successfully treated with antiverin), characterized by decreased fibringers, decreased platelets, and elevated prothrombin time, occurred in approximately half of patients studied. The clinical eignificance of these recurrent abnormalities is not known. Recurrent coagulation abnormalities were observed only in patients who experienced coagulation abnormalities during their initial hospitalization. Optimal desing to completely prevent recurrent coagulopathy has not been determined. Because CroFab has a shorter persistence in the blood than crotalld venoms that can leak from depot sites over a prolonged period of time, repeat dosing to prevent or treat such recurrence may be necessary (see DOSAGE AND ADMINISTRATION).
- Recurrent coagulopathy may persist for 1 to 2 weeks or more. Patients who experience coagulopathy due to snakebite during
 hospitalization for initial treatment should be monitored for signs and symptoms of recurrent coagulopathy for up to 1 week or
 longer at the physician's discretion. During this period, the physician should carefully assess the need for re-treatment with
 CmFab and use of any type of anticoagulant or anti-platetel truic.
- Papain is used to cleave the whole arithody into Fab and Fe tragments, and trace amounts of papain or inactivated papain residues may be present in CroFab. Patients with allergies to papain, drymopapain, other papaya extracts, or the pheappie enzyme brometain may also be at risk for an altergic reaction to CroFab. In addition, it has been noted in the literature that some dust mite altergens and some latex altergens share aritigenic structures with papain and patients with these altergies may be affected to papain 87 filese CONTRAINDEATIONS).

PRECAUTIONS

General:

CroFab contains mercury in the form of ethyl mercury from thirmerosal. The final product contains up to 104.5 mcg or approximately 0.11 mg of mercury per vial, which amounts to no more than 1.9 mg of mercury per dose (based on the maximum dose of 18 vials studied in clinical trials of CroFab). While there are no definitive data on the toxicity of ethyl mercury, literature success that information related to methyl mercury toxicities may be applicable.

Anaphylaxis, Anaphylactoid Reactions and Allergic Reactions:

- The possible risks and side-effects that attend the administration of heterologous animal proteins in humans include anaphylactic and anaphylactic developments, delayed altergic reactions (date serum reaction or serum sickness) and a possible febrile response to immune complexes formed by animal antibodies and neutralized venom components [19]. Although no patient in the clinical studies of CroFab has experienced a severe anaphylactic reaction, the possibility of an anaphylactic reaction should be considered. The patient should be informed of the possibility of an anaphylactic reaction and close patient monitoring and readmenss with intravenous therapy using epimephrine and dipherity-drainine hydrochloride is recommended during the infusion of CroFab. If an anaphylactic reaction occurs during the infusion, CroFab administration should be terminated at once and appropriate treatment administered. Patients with known allergies to sheep protein would be particularly at risk for an anaphylactic reaction.
- All patients treated with antivenin should be carefully monitored for signs and symptoms of an acute allergic reaction (e.g., urfloaria, pruritius, erythema, angioedema, bronchospasm with wheezing or cough, strikior, laryngeal edema, hypotension, tachycardia) and treated with appropriate emergency medical care (e.g., epinephrine, intravenous antihistamines and/or albuterol).
- All patients should be followed-up for signs and symptoms of delayed allergic reactions or serum sickness (e.g., rash, fever, myalois, arthratidis) and treated appropriately if necessary.
- myalgia, arthralgia) and treated appropriately if necessary.

 It has been noted in the literature with the use of other antibody therapies, that reactions during the infusion, such as fever, low back pain, wheezing and nausea are often related to the rate of infusion and can be controlled by decreasing the rate of
- administration of the solution [11].

 Patients who receive a course of treatment with a foreign profein such as CroFab may become sensitized to it. Therefore,
- caution should be used when administering a repeat course of treatment with CroFab for a subsequent envenomation episode.

 Skin testing has not been used in clinical trials of CroFab and is not required.

Because snake enveromation can cause coagulation abnormalities, the following conditions, which are also associated with coagulation defects, should be considered; cancer, collagen disease, congestive heart failure, diarrhea, elevated temperature,

Information for Patients:

- Patients should be advised to contact their physician immediately if they experience any signs and symptoms of delayed allergic reactions or serum sickness (e.g., rash, pruritus, unicaria) after hospital discharge.
- Patients should be advised to contact their physician immediately if they experience unusual brusing or bleeding re.g.,
 nosebleeds, excessive bleeding after brusing teeth, the appearance of blood in stools or urine, excessive menstrual bleeding,
 petechiae, excessive brusing or persistent ozing from superficial injuries) after hospital discharge as they may need additional
 antiversh treatment. Such bruising or bleeding may occur for up to 1 week or longer following Initial treatment, and patients
 should be advised to follow-up with their physician for monitoring.

Drug Interactions:

Studies of drug interactions have not been conducted with CroFab.

Carcinogenesis, Mutagenesis, Impairment of Fertility:

Animal carcinogenicity and reproduction studies have not been conducted with CroFab.

hepatic disorders, hyperthyroldism, poor nutritional state, steatorrhea, vitamin K deficiency.

Preumancy:

Pregnancy Category C, Animal reproduction studies have not been conducted with CroFab. It is also not known whether CroFab can cause fetal narm when administered to a pregnant woman or can affect reproduction capacity. CroFab should be given to a pregnant woman only if clearly needed.

CroFab contains mercury in the form of ethyl mercury from thimerosal (see PRECAUTIONS, General). Although there are limited toxicology data on ethyl mercury, high dose and acute exposures to methyl mercury have been associated with neurological and renal toxicities. Developing tetuses and very young children are most susceptible and therefore, at preater risk.

Nursing Mothers:

It is not known whether CroFab is excreted in human breast milk. Because many drugs are excreted in human milk, caution should be exercised when CroFab is administered to a nursing woman.

Geriatric Use

Specific studies in elderly patients have not been conducted.

Pediatric lisa

Specific studies in pediatric patients have not been conducted. The absolute venom dose following snakebite is expected to be the same in children and adults, therefore, no dosage adjustment for one should be made.

CroFab contains mercury in the form of ethyl mercury from thimerosal (see PRECAUTIONS, General). Although there are limited toxicology data on ethyl mercury, high dose and acute exposures to methyl mercury have been associated with neurological and renal toxicities. Developing fetuses and very young children are most susceptible and therefore, at greater risk.

ADVERSE REACTIONS

- The majority of adverse reactions to CroFab reported in clinical studies were mild or moderate in severity.
- The most common adverse events reported in the clinical studies were urticaria and rash. Adverse events involving the skin
 and appendages (primarily rash, urticaria, and pruritua) were reported in 14 of the 42 patients (Table 6).
- Of the 25 patients who experienced adverse reactions, 3 patients experienced severe an serious adverse reactions. The 1 patient who experienced a serious adverse event had a recurrent coegulopathy due to envenomation, which required re-hospitalization and additional entire in a contract of the patient eventually made a complete recovery. The other 2 had severe adverse reactions that consisted of 1 patient who developed severe hives following treatment and 1 patient who developed a severe rash and pruritus several days following treatment. Both patients recovered following treatment with antihistantines and or rechisons.
- One patient discontinued GroFab therapy due to an alierate reaction.

Table 6. Incidence of Clinical Adverse Events in Studies of CroFab by Body System

Adverse Events	n=42° Number of Events
Body as a Whole	
Back pain	2
Chest pain	1
Cellultis	1
Wound infection	1
Chillis	1
Allergic reaction †	1
Serum sickness	1
SWO AND ARDERGAGES	
Licticaria	7
Fruitos	\$
Pruntus	3
Suboutaneous nodule	1
Cardiovescular System	
Hypotension	1
Respiratory System	
Asthma	1
Cough	1
Increased sputum	1
Discontinua Continua	
Nausea Anorexia	3
Anorexia	i i
Hamatologic/Lymphalic	
Coagulation disorder	3
Ecchymosis	1
Musculos kele tai	1.0
Myaigla	
Mervous System	
Circumoral paresthesia	1
General paresthesia	1
Nerveusness	1

- Of the 42 patients receiving CroFab in the clinical studies, 25 experienced an adverse event. A total of 40 adverse
 events was experienced by these 25 patients.
- Allergic reaction consisted of urticaria, dyspnea and wheezing in 1 patient.

In the 42 patients treated with CroFab for minimal or moderate crotalid envenomations, there were 7 events classified as early serum reactions and 5 events classified as late serum reactions, and none were serious (Table 7). In the clinical studies, serum reactions consisted mainly of urticaria and rach, and all patients recovered without sequelae.

Table 7. Incidence of Early and Late Serum Reactions (Reactions Associated with CroFab Infusion)

	n=42* Number of Events
Early Serum Reactions	
Urbicaria	
Cough	1
Allergic reaction**	1
Late Serum Reactions	
Rash	2
Proritus	1
Urticaria	1
Serum sickness†	

- 6 of the 42 patients experienced an adverse event associated with an early serum reaction and 4 experienced an adverse event associated with a late serum reaction. Two additional patients were considered to have a late serum reaction by the investigator, although no associated adverse event was reported.
- ** Allergic reaction consisted of urticaria, dyspnea and wheezing in 1 patient,
- † Serum sickness consisted of severe rash and pruritus in 1 patient.

OVERDOSAGE

The maximum amount of Crofab that can safely be administered in single or multiple doses has not been determined. Doses of up to 16 vials (approximately 13.5 g of protein) have been administered without any observed direct toxic effect.

DOSAGE AND ADMINISTRATION

Each vial of CroFab should be reconstituted with 10 mL of Sterile Water for Injection USP (diluent not included) and mixed by continuous genite switting. The contents of the reconstituted vials should be further diluted in 250 mL of 0.9% Sodium Chloride USP and mixed by genity swifting. The reconstituted and diluted product should be used within 4 hours.

Administration of antivenin should be initiated as soon as possible after crotalid snakebite in patients who develop signs of progressive envenomation (e.g., wersening local injury, osaquisition abnormality, or systemic signs of envenomation). CroFab was shown in the dinicial studies to be effective when given within 6 hours of snakebite.

Antivenin desage requirements are contingent upon an individual patient's response; however, based on clinical experience with CroFab, the recommended initial dose is 4 to 6 vials. The patient should be observed for up to 1 hour following the completion of this first dose to determine if initial control of the envenomation has been achieved (as defined by complete arrest of local manifestations, and return of coagulation tests and systemic signs to normal). If initial control is not achieved by the first dose, an additional dose of 4 to 6 vials should be repeated until initial control of the envenomation produce here achieved. After initial control has been established, additional 2-vial doses of CroFab every 6 hours for up to 18 hours (3 doses) is recommended. Optimal dosing following the 18-hour scheduled dose of CroFab has not been determined. Additional 2-vial doses may be administered as deemed necessary by the treating pivisitian, based on the patient's clinical course.

The initial dose of CroFab diluted in 250 mL of saline should be infused intravenously over 60 minutes. However, the infusion should proceed slowly over the first 10 minutes at a 25-50 mL/hour rate with careful observation for any allergic reaction. If no such reaction occurs, the infusion rate may be increased to the full 250 mL/hour rate until completion. Close patient monitoring is necessary.

Additional Patient Care (Supportive and Adjunctive Therapy):

Supportive measures are often utilized to treat certain manifestations of crotalid snake envenomation, such as pain, swelling, hypotensian and wound infection. Poison control centers are a helpful resource for individual treatment advice.

HOW SUPPLIED

CroFab[®] is supplied as a sterile, nonpyrogenic, purified, lyophilized preparation. Each vial contains up to 1 g of total protein, a maximum of 0.11 mg of mercury, and not less than the Indicated number of mouse LD_{so} neutralizing units*:

C. atrox (Western Diamondback rattlesnake)	1270
C. adamenteus (Eastern Diamondback rafthesnake)	420
C. scutulatus (Mojave rattiesneke)	5570
A. biscivorus (Cottonmouth or Water Moccasin)	780

* As of 2008, the potency assay has been optimized for a new strain of mice, which has resulted in changes to the minimum mouse LD₂₀ neutralizing units. <u>These changes do not reflect any change in product potency, but only a different biological response of the mouse strain to the venom.</u>

Each box contains 2 vials of CroFab (diluent not included).

NDC 0281-0330-10

Storage Conditions:

The product should be stored at 2° to 8°C (36° to 46°F). Do not freeze. The product must be used within 4 hours after reconstitution.

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